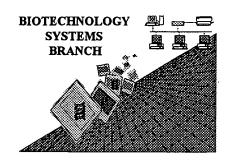
RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number:

09/030,482

Art Unit / Team No.:

0186

Date Processed by STIC:

3/7/98

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or.
- 2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

ARTI SHAH 703-308-4212

RAW SEQUENCE LISTING PATENT APPLICATION US/09/030,482

DATE: 03/07/98 TIME: 13:53:51

INPUT SET: S2880.raw

This Raw Listing contains the General **Information Section and those Sequences** containing ERRORS.

```
Does Not Comply
                                                            Corrected Diskette Needed
 1
                                       SEQUENCE LISTING
 2
 3
     (1)
           General Information:
     (i) APPLICANT: Snutch, Terry P.
   Baillie, David L.
    (ii) TITLE OF INVENTION: Novel Human Calcium Channels and Related Probes, Cell Line
    and Methods
     (iii) NUMBER OF SEOUENCES: 20
 8
     (iv) CORRESPONDENCE ADDRESS:
 9
      (A) ADDRESSEE: Oppedahl & Larson
10
      (B) STREET: 1992 Commerce Street Suite 309
11
      (C) CITY: Yorktown
12
      (D) STATE: NY
13
      (E) COUNTRY: USA
14
      (F) ZIP: 10598
15
     (v) COMPUTER READABLE FORM:
      (A) MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Kb storage
      (B) COMPUTER: IBM Compatible
18
      (C) OPERATING SYSTEM: MS DOS 6.0
19
      (D) SOFTWARE: WordPerfect
20
21
     (vi) CURRENT APPLICATION DATA:
      (A) APPLICATION NUMBER:
22
     (B) FILING DATE:
23
      (C) CLASSIFICATION:
24
     (viii) ATTORNEY/AGENT INFORMATION:
      (A) NAME: Larson, Marina T.
26
27
      (B) REGISTRATION NUMBER: 32038
      (C) REFERENCE/DOCKET NUMBER: NMED.P-001-US
28
     (ix) TELECOMMUNICATION INFORMATION:
     (A) TELEPHONE: (914) 245-3252
      (B) TELEFAX: (914) 962-4330
31
```

ERRORED SEQUENCES FOLLOW:

94	(2) INFORMATION FOR SEQ ID NO: 5:
95	(i) SEQUENCE CHARACTERISTICS:
96	(A) LENGTH: 24
97	(B) TYPE: nucleic acid
98	(C) STRANDEDNESS: single
99	(D) TOPOLOGY: linear
100	(ii) MOLECULE TYPE: other nucleic ac

(nest ver)

RAW SEQUENCE LISTING PAGE: 2 DATE: 03/07/98 PATENT APPLICATION US/09/030,482 TIME: 13:53:52 The gree UNDER INPUT SET: S2880.raw
(IX) FEATURE:
(D) OTHER INFORMATION: (iii) HYPOTHETICAL: no 101 102 (iv) ANTI-SENSE: no 103 (vi) ORIGINAL SOURCE: (A) ORGANISM: rat
(ix) FEATURE: Oligonucleotide probe for locating calcium channel genes 104 105 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 106 GTTAAATCCA ACGTCTTCTA CTGG 107 108 267 (2) INFORMATION FOR SEQ ID NO: 16: 268 (i) SEQUENCE CHARACTERISTICS: 269 (A) LENGTH: 123 270 (B) TYPE: nucleic acid 271 (C) STRANDEDNESS: single 272 (D) TOPOLOGY: linear 273 (ii) MOLECULE TYPE: other nucleic acid 274 (iii) HYPOTHETICAL: no 275 (iv) ANTI-SENSE: no 276 (vi) ORIGINAL SOURCE: 277 (A) ORGANISM: human-(ix) FEATURE expressed sequence tag H55544) (D) OTHEL INFORMATION: & 278 279 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16: GTATCTCTGG TTACTTTAGT AGCCAACACT CTTGGCTACT CAGACCTTGG TCCCATTAAA 280 TCCCTGCGAA CCTTGAGAGC ACTAAGACCT CTAAGAGCTT TGTCTAGATT TGAAGGAATG 281 120 123 Einsert 282 morary 283 305 (2) INFORMATION FOR SEQ ID NO: 18: 306 (i) SEQUENCE CHARACTERISTICS: 307 (A) LENGTH: 5562 308 (B) TYPE: nucleic acid 309 (C) STRANDEDNESS: double 310 (D) TOPOLOGY: linear 311 (ii) MOLECULE TYPE: cDNA 312 (iii) HYPOTHETICAL: no 313 (iv) ANTI-SENSE: no (vi) ORIGINAL SOURCE: (A) ORGANISM: human (ix) FEATURE: human alpha-I partial sequence from BAC bK206c7 316 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18: 317 318 ATG TTT TTC GTC TCA GCC AAT CCC TGG GTG AGT TTC ACC AGT TTT GAT TTA AAC 319 Met Phe Phe Val Ser Ala Asn Pro Trp Val Ser Phe Thr Ser Phe Asp Leu Asn 320 321 322 323 GTG GCC AAT ATG GAC AAC TTC TTC GCC CCC GTT TTC ACC ATG GGC AAA TAT TAT Val Ala Asn Met Asp Asn Phe Phe Ala Pro Val Phe Thr Met Gly Lys Tyr Tyr 324 325 326

1) Per 1.822 (h) ad (1) of Seguera Ruler, orly
16 amin and 16 Righter allowed per line;
2) Per 1.822 (m) of Seguera Rules, number all amin and
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Thr Gln Gly Asp Lys Val Leu Met Pro Leu Ala Ile Gln Ala Leu Lys Gln Leu

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328 329

330

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RAW SEQUENCE LISTING PATENT APPLICATION US/09/030,482

DATE: 03/07/98 TIME: 13:53:54

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	332	Met	Phe	Lys	Leu	Val	Ala	Thr	Val	Ala	Arg	Thr	His	Ala	Thr	Pro	Ser	His	Ile	2/6
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	334																			m in
>	335	_																	GAG	270 O.C
	336	Thr	GIY	GIY	Pro	GIY	Thr	GLY	Met	His	Thr	Gly	Thr	Phe	Gln	Glu	Gly	Ala	Glu	
	337																			
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	340						His													324
	341	110	Cry	DCI	DCI	0111	111.5	110	Gru	лта	GIII	AIG.	1111	1 y 1	1111	AIA	Gry	СуБ	1111	
	342																			
	343	CCA	GCC	CCC	ACG	GGC	GAT	CCC	ACC	TGC	TGC	TTT	GTC	CTT	GAC	TTG	GTG	TGC	ACG	378
	344						Asp													
	345																			
	346																			
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	348	Trp	Pne	GIU	Cys	Val	Ser	Met	Leu	Val	IIe	Leu	Leu	Asn	Cys	Val	Thr	Leu	GIY	
	349 350																			
	351	ΔTC	TAC	CAG	CCG	тсс	GAC	GAC	ΔTC	GAC	דכ כ	СТС	TCC	GAC	CGC	ጥርር	ΔAG	אייר	CTG	486
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	355	CAG	GTC	TTT	GAT	GAC	TTC	ATC	TTT	ATC	TTC	TTT	GCC	ATG	GAG	ATG	GTG	CTC	AAG	540
	356	Gln	Val	Phe	Asp	Asp	Phe	Ile	Phe	Ile	Phe	Phe	Ala	Met	Glu	Met	Val	Leu	Lys	
	357																			
	358																			
	359						ATT													594
	360 361	мет	vaı	Ala	ьeu	GIY	Ile	Pne	GIY	ьys	гàг	Cys	Tyr	ьeu	GTA	Asp	Thr	Trp	Asn	
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	363	CGC	CTG	САТ	ייייכי	ттс	ATC	GTC	ΔТС	GCA	GGC	אאכ	אייכ	ממכ	СТС	тса	GCC	АТС	CGC	648
	364						Ile													010
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	367						AGG													702
	368	Thr	Val	Arg	Val	Leu	Arg	Pro	Leu	Lys	Ala	Ile	Asn	Arg	Val	Pro	Ser	Met	Arg	
	369																			
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	371 372						CTC Leu													756
	373	116	Leu	vai	ASII	ьец	ьец	пеп	ASP	1111	шеu	PIO	MEC	Бец	GIY	ASII	vai.	пец	пец	
	374																			
	375	CTC	TGC	TTC	TTT	GTC	TTC	TTC	ATC	TTT	GGC	ATC	ATA	GGT	GTG	CAG	CTC	TGG	GCG	810
	376						Phe													
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	378																			
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	380	Gly	Leu	Leu	Arg	Asn	Arg	Cys	Phe	Leu	Glu	Glu	Asn	Phe	Thr	Ile	Gln	GLY	Asp	
	381																			
	382 383	СПС	GCC	ጥጥር	מממ	רכז	TAC	ጥ አ ር	ראמ	ccc	GAG	GNG	CAT	СРТ	GAG	ΔΤΩ	CCC	ጥጥር	ΔͲϹ	918
	303	GIG	GCC	116		CCA	IMC	IAC	CAG	CCG	UAU	UAU	GMI	GMI	UAU	VIG	CCC	110	AIC	210

punter amend aerde Achonylout

RAW SEQUENCE LISTING PATENT APPLICATION US/09/030,482

														IN	PUT	SET:	S2886	0.raw	
384	Val	Ala	Leu	Pro	Pro	Tyr	Tyr	Gln	Pro	Glu	Glu	Asp	Asp						
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388						Asp													
389	-				-	-		•			-	-							
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391	AAG	GAG	CAG	GGC	CGT	GAG	TGC	TGC	CTG	TCC	AAG	GAC	GAC	GTC	TAC	GAC	TTT	GGG	1026
392						Glu													
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394																			
395	GCG	GGG	CGC	CAG	GAC	CTC	AAT	GCC	AGC	GGC	CTC	TGT	GTC	AAC	TGG	AAC	CGT	TAC	1080
396						Leu													
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400	TAC	AAT	GTG	TGC	CGC	ACG	GGC	AGC	GCC	AAC	CCC	CAC	AAG	GGT	GCC	ATC	AAC	TTT	1134
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403																			
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433	Arg	Gly	Leu	Gly	Pro	Glu	Ser	Leu	Glu	Thr	Gly	Glu	Glu	Pro	His	Ser	Trp	Ser	
434																			
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436	CCT	CGG	GCC	ACA	AGG	AGA	TGG	GAT	CCC	CAA	TGC	CAA	CCA	GGG	CAG	CCT	CTC	CCC	1620

RAW SEQUENCE LISTING PATENT APPLICATION US/09/030,482

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	445	vai	vai	тте	Ата	Thr	GIN	Pne	ser	GIU	Thr	гуѕ	GIN	Arg	GIU	HIS	Arg	Leu	Met	
	446 447																			
	448	СТС	GAG	CAG	ccc	CVG	רמר	ሞአሮ	СТС	TCC	TCC	NGC.	7 CC	CTC	CCC	NCC.	ምአ ረግ	ccc	GAG	1782
	449					Gln														1/02
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	452	CCT	GGC	GAC	TGC	TAC	GAG	GAG	ATC	TTC	CAG	TAT	GTC	TGC	CAC	ATC	CTG	CGC	AAG	1836
	453	Pro	Gly	Asp	Cys	Tyr	Glu	Glu	Ile	Phe	Gln	Tyr	Val	Cys	His	Ile	Leu	Arg	Lys	
	454					_						_		_				_	-	
	455																			
	456																			
	457																		GCC	1890
	458	Ala	Lys	Arg	Arg	Ala	Leu	Gly	Leu	Tyr	Gln	Ala	Leu	Gln	Ser	Arg	Arg	Gln	Ala	
	459																			
	460	CITIC	aaa	aaa	C7.C	aaa	aaa	aaa	aaa	000	73.73	ааш	aaa	000	070	aaa	770	a 2 a	000	1044
	461 462																_	-	CCC	1944
	463	Leu	GIY	PIO	Gru	Ala	PIO	AIA	PIO	AIA	ьуѕ	PIO	GIY	PLO	піѕ	Ala	гуѕ	GIU	PIO	
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	465	CGG	CAC	TAC	CCT	CTC	ACA	GTC	TGG	GAA	TCG	АТТ	СТТ	GGG	AGG	CAA	GCA	GAA	GAA	1998
	466		_			Leu														
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	468																			
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	471																			
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	474 475	GIĀ	ser	GIU	GIU	Ala	Pro	GIU	ьeu	Cys	Pro	GIII	HIS	ser	Pro	ьeu	Asp	Ата	THE	
	476																			
	477	CCC	CAC	ACC	CTG	GTG	CAG	CCC	ATC	CCC	GCC	ACG	СТС	GCT	TCC	GAT	CCC	GCC	AGC	2160
	478					Val														
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	480																			
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	483																			
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	485					GAG														2268
	486	Asp	Ser	Gly	GIn	Glu	GLY	Ser	GГУ	Ser	GLY	Ser	Ser	Ala	GLY	GТЪ	GLu	Asp	GIU	
	487																			
	488 489	acc	ርነጥ	ccc	GNC	aca	GCC	CGC	אפר	אפר	GNG	GNC	CCD	GCC	דרר	ጥርን	GNA	ርጥር	GGG	2322
	407	GCG	GAI	GGG	GAC	999	GCC	CGG	AGC	AGC	UAU	GAC	GGA	GCC	100	1 CH	HAD	C10	333	2322

RAW SEQUENCE LISTING PATENT APPLICATION US/09/030.482

DATE: 03/07/98 TIME: 13:54:00

INPUT SET: S2880.raw Ala Asp Gly Asp Gly Ala Arg Ser Ser Glu Asp Gly Ala Ser Ser Glu Leu Gly AAG GAG GAG GAG GAG GAG CAG GCG GAT GGG GCG GTC TGG CTG TGC GGG GAT 2376 Lys Glu Glu Glu Glu Glu Gln Ala Asp Gly Ala Val Trp Leu Cys Gly Asp GTG TGG CGG GAG ACG CGA GCC AAG CTG CGC GGC ATC GTG GAC AGC AAG TAC TTC 2430 Val Trp Arg Glu Thr Arg Ala Lys Leu Arg Gly Ile Val Asp Ser Lys Tyr Phe AAC CGG GGC ATC ATG GCC ATC CTG GTC AAC ACC GTC AGC ATG GGC ATC GAG Asn Arg Gly Ile Met Met Ala Ile Leu Val Asn Thr Val Ser Met Gly Ile Glu CAC CAC GAG CAG GCC AGT GCA GCG CAG CCG GGC CGG GCC TGC GGG AGA GGA CAA 2538 His His Glu Gln Ala Ser Ala Ala Gln Pro Gly Arq Ala Cys Gly Arq Gly Gln AAT CCA GAC CTT TGC ATG ACC CTC AAG GCC CCT TGT CTC TGT CAC AAC GTC CCT 2592 Asn Pro Asp Leu Cys Met Thr Leu Lys Ala Pro Cys Leu Cys His Asn Val Pro TCA CCA GGC CAG GGT GTC CTG TCC CAT CCA GTG ACT CCA CCC CAT ACA GCC CCA Ser Pro Gly Gln Gly Val Leu Ser His Pro Val Thr Pro Pro His Thr Ala Pro TGG CGC ATG GAG ACA GGA AAG CAG GGA CAC GGA TGT GAA GAA GGA CCA GGA CAA Trp Arg Met Glu Thr Gly Lys Gln Gly His Gly Cys Glu Glu Gly Pro Gly Gln CGA AGC AGT GAC ATG TTT GCC CTG GAG ATG ATC CTG AAG CTG GCT GCA TTT GGG Arg Ser Ser Asp Met Phe Ala Leu Glu Met Ile Leu Lys Leu Ala Ala Phe Gly CTC TTC GAC TAC CTG CGT AAC CCC TAC AAC ATC TTC GAC AGC ATC ATT GTC ATC Leu Phe Asp Tyr Leu Arg Asn Pro Tyr Asn Ile Phe Asp Ser Ile Ile Val Ile ATC AGC ATC TGG GAG ATC GTG GGG CAG GCG GAC GGT GGG CTG TCG GTG CTG CGG Ile Ser Ile Trp Glu Ile Val Gly Gln Ala Asp Gly Gly Leu Ser Val Leu Arg ACC TTC CGG CTG CTG CGC GTG CTG AAA CTG GTG CGC TTC ATG CCT GCC CTG CGG Thr Phe Arg Leu Leu Arg Val Leu Lys Leu Val Arg Phe Met Pro Ala Leu Arg CGC CAG CTC GTG GTG CTC ATG AAG ACC ATG GAC AAC GTG GCC ACC TTC TGC ATG 2970 Arg Gln Leu Val Val Leu Met Lys Thr Met Asp Asn Val Ala Thr Phe Cys Met CTG CTC ATG CTC TTC ATC TTC AGC ATC CTT GGG ATG CAT ATT TTT GGC 3024

RAW SEQUENCE LISTING PATENT APPLICATION US/09/030,482

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546	TGC	AAG	TTC	AGC	CTC	CGC	ACG	GAC	ACT	GGA	GAC	ACG	GTG	CCC	GAC	AGG	AAG	AAC	3078
547			_	Ser															
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550 551				CTG Leu															3132
552	FIIC	тэр	Ser	nea	пеп	пр	Ata	116	vai	1111	vaı	PHE	GIII	TIE	ьeu	1111	GIII	GIU	
553																			
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555	Asp	Trp	Asn	Val	Val	Leu	Tyr	Asn	Gly	Met	Ala	Ser	Thr	Ser	Pro	Trp	Ala	Ser	
556																			
557 558	СТС	ТΔС	արդու	GTC	GCC	כידיכי	ΔТС	ACC	ጥጥር	ממר	ממכ	тат	стс	כידיכי	ጥጥር	ממכ	СТС	CTG	3240
559				Val															3240
560										1		- 4 -							
561																			
562																		GAG	3294
563 564	Val	Ala	He	Leu	Val	Glu	GIY	Phe	GIn	Ala	GIu	Val	Thr	Val	Val	Leu	Ala	GIu	
565																			
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567	Glu	Ala	Pro	Pro	Gln	Gly	Leu	Arg	Lys	Thr	Gly	Arg	Gly	Arg	Gly	Gly	Leu	Asp	
568																			
569																			
570 571	GGG	CCA	GGG	СТС	CNN	ጥጥር	א א א	СФФ	CTA	CCA	ccc	አአሮ	СТЛ	TCC	CTA	λλC	GVG	aga	3402
572				Leu															3402
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581																			
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584				Leu															3304
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592				Gln															•
593						-							-			-			
594														~~~	~	~~-			2000
595	GTC	ATG	TCT	CTA	GGG	AGG	ATG	AGC	TAT	GAC	CAG	CGC	TCC	CTG	GTG	GGT	GGT	CTT	3726

RAW SEQUENCE LISTING PATENT APPLICATION US/09/030,482

														IN	<i>IPUT</i>	SET:	S2886	n.raw	
596	Val	Met	Ser	Leu	Gly	Arg	Met	Ser	Tyr	Asp	Gln	Arg	Ser						
597										_						_	_		
598																			
599						GTG													3780
600	Arg	Ala	Thr	Ala	Gly	Val	Gln	Ala	Ala	Phe	Gly	His	Leu	Val	Pro	Gln	Pro	\mathtt{Trp}	
601																			
602	ama	maa	ama	шаа	222	a a m	a. a	~~~		~~~		maa	mma	a. a	maa				
603 604						GCT													3834
605	vai	Cys	пеп	пр	СТУ	Ala	Asp	PIO	ASII	GIY	ASII	ser	Pile	GIII	ser	ser	ser	Arg	
606																			
607	AGC	TCC	TAC	TAC	GGG	CCA	TGG	GGC	CGC	AGC	GCG	GCC	TGG	GCC	AGC	CGT	CGC	TCC	3888
608						Pro													3333
609			4	4	- 4			2								5			
610																			
611	AGC	TGG	AAC	AGC	CTC	AAG	CAC	AAG	CCG	CCG	TCG	GCG	GAG	CAT	GAG	TCC	CTG	CTC	3942
612	Ser	Trp	Asn	Ser	Leu	Lys	His	Lys	Pro	Pro	Ser	Ala	Glu	His	Glu	Ser	Leu	Leu	
613																			
614																			
615						GGC			-						-	-			3996
616	Ser	Ala	GIu	Arg	GIY	Gly	GIY	Ala	Arg	Val	Cys	GIu	Val	Ala	Ala	Asp	GIu	GIY	
617 618																			
619	CCG	CCG	CCC	CCC	CCA	ccc	CTC	CAC	אככ	CCA	CAC	acc	CAC	CAC	CTT	CAT	CAC	GGG	4050
620						Pro													4030
621	110	110	n. 9	AIU	ALG	110	пси	1110	++++	110	1113	AIU	1115	1115	Vai	111.0	111.0	GLY	
622																			
623	CCC	CAT	CTG	GCG	CAC	CGC	CAC	CGC	CAC	CAC	CGC	CGG	ACG	CTG	TCC	CTC	GAC	AAC	4104
624	Pro	His	Leu	Ala	His	Arg	His	Arg	His	His	Arg	Arg	Thr	Leu	Ser	Leu	Asp	Asn	
625																			
626																			
627																			
628																			4158
629	Arg	Asp	ser	vaı	Asp	Leu	Ата	GIU	ьeu	val	Pro	Ата	vaı	GIY	Ala	His	Pro	Arg	
630 631																			
632	GCC	GCC	таа	AGG	GCG	GCA	GGC	ררפ	GCC	כככ	GGG	СУД	GAG	GAC	TGC	דממ	GGC	AGG	4212
633						Ala													
634				3			1				1				- 4		- 4	3	
635																			
636	ATG	CCC	AGC	ATC	GCC	AAA	GAC	GTC	TTC	ACC	AAG	ATG	GGC	GAC	CGC	GGG	GAT	CGC	4266
637	Met	Pro	Ser	Ile	Ala	Lys	Asp	Val	Phe	Thr	Lys	Met	Gly	Asp	Arg	Gly	Asp	Arg	
638																			
639						 -										~- -	ac	~~~	4200
640						GAA													4320
641	GTÅ	GLU	Asp	GIU	GLU	Glu	тте	Asp	Tyr	vaı	ser	GIA	стλ	GTĀ	АТА	GIU	GTĀ	Asp	
642 643																			
644	<u> </u>	ACC	СПС	ጥርር	ጥጥር	CGC	GTC	CGC	AAG	ΔΤΩ	ΑΤС	GAC	GTC	TAT	AAG	CCC	GAC	TGG	4374
645						Arg													· -
646				-1-								E			4		- T.	-	
647																			
648	TGC	GAG	GTC	CGC	GAA	GAC	TGG	TCT	GTC	TAC	CTC	TTC	TCT	CCC	GAG	AAC	AGG	CTC	4428

RAW SEQUENCE LISTING PATENT APPLICATION US/09/030,482

														IN	NPUT	SET:	S288	0.raw	
649	Cys	Glu	Val	Arg	Glu	Asp	Trp	Ser	Val	Tyr	Leu	Phe	Ser				Arg		
650																			
651																			
652				_														GTG	4482
653	Arg	Asp	Leu	GIŢ	Trp	Val	Ser	Leu	GLu	Cys	Gln	Gly	Lys	Val	Gly	Asp	Leu	Val	
654																			
655 656	стс	TCC	CTC	ጥለጥ	CCT	CAG	N.C.C	אככ	CAC	ccc	CAC	אככ	א מייני	א מייניי ע	ccc	CAC	AAA	CTC	1526
657																	Lys		4536
658				-1-	- 1	0111	****9	**** 9	04	9	0111	1111	110	110	ALG	1115	цуз	шец	
659																			
660	TTC	GAC	TAC	GTC	GTC	CTG	GCC	TTC	ATC	TTT	CTC	AAC	TGC	ATC	ACC	ATC	GCC	CTG	4590
661	Phe	Asp	Tyr	Val	Val	Leu	Ala	Phe	Ile	Phe	Leu	Asn	Cys	Ile	Thr	Ile	Ala	Leu	
662																			
663																			
664																		TCC	4644
665	Glu	Arg	Pro	Gln	Ile	Glu	Ala	Gly	Ser	Thr	Glu	Arg	Ile	Phe	Leu	Thr	Val	Ser	
666																			
667	770	TT 7. CT	አጥር	TTTC	N.C.C	ccc	አመር	mm/c	CITIC	ccc	CAC	7 mc	מ כי	mmc.	777	CITE N	ama	maa	4600
668 669																	Val	TCG	4698
670	ASII	тўт	116	FIIE	1111	ATA	116	FIIC	vai	GIY	Giu	Mec	1111	пеп	цуъ	vaı	vaı	ser	
671																			
672	CTG	GGC	CTG	TAC	TTC	GGC	GAG	CAG	GCG	TAC	CTA	CGC	AGC	AGC	TGG	AAC	GTG	CTG	4752
673																	Val		
674		_		-		-				-		_			-				
675																			
676																		TCA	4806
677	Asp	Gly	Phe	Leu	Val	Phe	Val	Ser	Ile	Ile	Asp	Ile	Val	Val	Ser	Leu	Ala	Ser	
678																			
679 680	aaa	aaa	GG 3	aaa	770	» ma	mma	000	ama	аша	GG 3	аша	mma	a aa	ama	ama	999	7.00	4000
681																	CGC Arg		4860
682	Ата	GIY	Gry	AIA	цуз	116	пец	GIY	val	пец	Arg	vaı	пец	Arg	цец	Бец	Arg	1111	
683																			
684																			
685	CTA	CGC	CCC	CTG	CGT	GTC	ATC	AGC	CGG	GCG	CCG	GGC	CTG	AAG	CTG	GTG	GTG	GAG	4914
686	Leu	Arg	${\tt Pro}$	Leu	Arg	Val	Ile	Ser	Arg	Ala	Pro	Gly	Leu	Lys	Leu	Val	Val	Glu	
687																			
688																			
689																	TGT		4968
690	Thr	Leu	IIe	Ser	Ser	Leu	ГÀЗ	Pro	IIe	GIY	Asn	IIe	vai	Leu	тте	Cys	Cys	Ala	
691 692																			
692 693	ጥጥር	ጥጥር	ΔͲϹ	ΔͲʹ	սերգո	GGC	ΔΨС	CTC	GGA	GTG	CZG	כידיכי	ጥጥር	אאמ	GGC	ΔΔG	TTC	ጥ ΔC	5022
694																	Phe		J 0 Z Z
695	- 110	T 11C		-10	2.10	- 1		Lcu			U 111	u		_,5	~-1	-,5		-1-	
696																			
697	CAC	TGT	CTG	GGC	GTG	GAC	ACC	CGC	AAC	ATC	ACC	AAC	CGC	TCG	GAC	TGC	ATG	GCC	5076
698																	Met		
699																			
700	_																		
701	GCC	AAC	TAC	CGC	TGG	GTC	CAT	CAC	AAA	TAC	AAC	TTC	GAC	AAC	CTG	GGC	CAG	GCT	5130

RAW SEQUENCE LISTING PATENT APPLICATION US/09/030,482

															II!	PUT	SET:	S288	0.raw	
	702 703 704	Ala	Asn	Tyr	Arg	Trp	Val	His	His	Lys	Tyr	Asn	Phe	Asp	Asn	Leu	Gly	Gln	Ala	
>	705	CTG	ΔТС	TCC	כידיכי	սեւնա	GTC	רידוכי	CCA	TCC	AAG	CAT	ССТ	тсс	GTG	אאמ	አጥሮ	አጥር	TAC	5185
	706																		Tyr	(3103 /3)
	707						, u	204		001	_,,,	,,op	O±y	115	Val	ADII	110	ricc	- y -	
	708																			
>	709	AAT	GGA	CTG	GAT	GCT	GTT	GCT	GTG	GAC	CAG	CAG	CCT	GTG	ACC	AAC	CAC	AAC	CCC	5238 W
	710			Leu																70
	711																			
	712																			
	713																		CTC	5292
	714	Trp	Met	Leu	Leu	Tyr	Phe	Ile	Ser	Phe	Leu	Leu	Ile	Val	Ser	Phe	Phe	Val	Leu	
	715																			
	716	770	3.00		ama.	aam	ama	ama	ama	~~~			~~~		maa	~~~	~~~	~~~	~~~	
	717 718																		Gln	5346
	718 719	ASII	Mec	Pile	vaı	GIY	vai	vai	vai	GIU	ASII	Pne	птъ	ьуѕ	Cys	Arg	GIII	птѕ	GIII	
	720																			
	721	GAG	GCT	GAA	GAG	GCA	CGG	CGG	CGT	GAG	GAG	AAG	CGG	CTG	CGG	CGC	CTG	GAG	AAG	5400
	722			Glu																
	723						J	_	•			-			-	•			•	
	724																			
	725	AAG	CGC	CGG	AAG	GCC	CAG	CGG	CTG	CCC	TAC	TAT	GCC	ACC	TAT	TGT	CAC	ACC	CGG	5454
	726	Lys	Arg	Arg	Lys	Ala	Gln	Arg	Leu	Pro	Tyr	Tyr	Ala	Thr	Tyr	Cys	His	Thr	Arg	
	727																			
	728																			
	729																			5508
	730 731	ьeu	ьeu	Ile	HIS	ser	Met	Cys	Thr	ser	His	Tyr	Leu	Asp	тте	Pne	TTE	Thr	Pne	
	732																			
	732	ΔͲϹ	Δ Ͳሮ	ייפר	כיזיכי	ממ	GTG	GTC	ΔCC	ΔΤΩ	דרר	ርጥር	GAG	CAC	TAC	מממ	CAG	CCC	ACG	5562
	734			Cys																5502
	735			-,-									J_ u		- 1 -	- 1011	J			
	736																			

SEQUENCE VERIFICATION REPORT PATENT APPLICATION US/09/030,482

DATE: 03/07/98 TIME: 13:54:37

INPUT SET: S2880.raw

Line	Error	Original Text
107	# of Sequences for line conflicts w/ running total	GTTAAATCCA ACGTCTTCTA CTGG 28
269	Entered (123) and Calc. Seq. Length (120) differ	(A) LENGTH: 123
331	# of Sequences for line conflicts w/ running total	ATG TTC AAA TTG GTG GCC ACT GTT GCT CGA AC
335	# of Sequences for line conflicts w/ running total	ACG GGT GGT CCT GGA ACA GGG ATG CAC ACG G
469	# of Sequences for line conflicts w/ running total	TGC ACG CTC AGA GCT GCC GCC CAC CCG TCC TC
473	# of Sequences for line conflicts w/ running total	GGC TCG GAG GAG GCC CCA GAG CTG TGC CCG CA
705	# of Sequences for line conflicts w/ running total	CTG ATG TCC CTC TTT GTC CTG GCA TCC AAG GA
709	# of Sequences for line conflicts w/ running total	AAT GGA CTG GAT GCT GTT GCT GTG GAC CAG CA